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APPLICATION NO.	CATION NO. FILING DATE		FIRST NAMED INVENTOR		A <sup>-</sup>	TTORNEY DOCKET NO.	CONFIRMATION NO.	
10/743,777		12/24/2003	Charng	Geng Sheen	•	MR1957-815	9464	
4586	7590	03/23/2005				EXAMINER		
ROSENBERG, KLEIN & LEE						POTTER, ROY KARL		
	3458 ELLICOTT CENTER DRIVE-SUITE 101 ELLICOTT CITY, MD 21043					ART UNIT	PAPER NUMBER	
						2822		
					DA	TE MAILED: 03/23/200	5	

Please find below and/or attached an Office communication concerning this application or proceeding.

	(5)				
	Application No.	Applicant(s)			
	10/743,777 SHEEN, CHARNG		G		
Office Action Summary	Examiner	Art Unit			
	Roy K. Potter	2822			
The MAILING DATE of this communication a Period for Reply	appears on the cover sheet	with the correspondence address			
A SHORTENED STATUTORY PERIOD FOR REITHE MAILING DATE OF THIS COMMUNICATION  - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a less of the period for reply is specified above, the maximum statutory perions from the period for reply within the set or extended period for reply will, by state any reply received by the Office later than three months after the material patent term adjustment. See 37 CFR 1.704(b).	N. 1.136(a). In no event, however, may a reply within the statutory minimum of the field will apply and will expire SIX (6) MC state, cause the application to become	a reply be timely filed nirty (30) days will be considered timely. DNTHS from the mailing date of this communica ABANDONED (35 U.S.C. § 133).	ation.		
Status					
1)☐ Responsive to communication(s) filed on  2a)☐ This action is FINAL.	his action is non-final. wance except for formal ma	•	s is		
Disposition of Claims					
4) ☐ Claim(s) 1-4 is/are pending in the applicatio 4a) Of the above claim(s) is/are without 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-4 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and	Irawn from consideration.				
Application Papers					
9)☐ The specification is objected to by the Exam 10)☑ The drawing(s) filed on 24 December 2003 is Applicant may not request that any objection to to Replacement drawing sheet(s) including the corn 11)☐ The oath or declaration is objected to by the	s/are: a)⊠ accepted or b) he drawing(s) be held in abey rection is required if the drawir	ance. See 37 CFR 1.85(a). ng(s) is objected to. See 37 CFR 1.12			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:  1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the priority docume application from the International Burn * See the attached detailed Office action for a least	ents have been received. ents have been received in riority documents have bee eau (PCT Rule 17.2(a)).	Application No In received in this National Stage			
Attachment(s)	_				
<ol> <li>Notice of References Cited (PTO-892)</li> <li>Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>Information Disclosure Statement(s) (PTO-1449 or PTO/SB/Paper No(s)/Mail Date</li> </ol>	Paper No	r Summary (PTO-413) o(s)/Mail Date i Informal Patent Application (PTO-152) 			

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## **DETAILED ACTION**

## Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 3 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 3 recites the limitation "the insulation glue" in line 2. There is insufficient antecedent basis for this limitation in the claim.

## Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1 – 4 are rejected under 35 U.S.C. 102(b) as being anticipated by Wasmer et al..

Wasmer et al., U.S. Patent No. 5,005,069, discloses a semiconductor device. As shown in the embodiment of Figure 4, the device comprises a nail head 72 that has a bonding end and a leading conductor 70. A meal base 62 has a cavity 64 in which a bonding stage 65C is located. Semiconductor chip 66 is installed on the bonding stage 65C with one side connected to the bonding stage and another side connected to the

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nail head 72. Fence 80 forms a well around the bonding stage and the metal housing has an inner sidewall 85 around the well and enclosing the cavity. The fence 80

extends slantingly form the bonding stage 65C toward the inner sidewall. The

semiconductor chip is surrounded by the passivant 78, which is constrained by the

fence. The cavity is filled with a buffer material 88. The passivant 78 is described as

being polyimide or silicone rubber.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Roy K. Potter whose telephone number is 571 272 1842. The examiner can normally be reached on M-F.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Roy K Potter Primary Examiner Art Unit 2822